

## WEST Search History

DATE: Friday, March 19, 2004

Hide?	<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>
		<i>DB=PGPB,USPT,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L5	5832502[uref]	3
<input type="checkbox"/>	L4	L3 same index\$	5
<input type="checkbox"/>	L3	(e-mail or electronic mail or electronic object or electronic calendar\$ or electronci messag\$ or electronic document) same ((relational or nodal or hierarch\$ or logical) near3 (view\$ or display\$))	83
<input type="checkbox"/>	L2	6073137[uref]	7
<input type="checkbox"/>	L1	(e-mail or electronic mail or electronic object or electronic calendar\$ or electronci messag\$ or electronic document) same ((relational or nodal or hierarch\$ or logical) near3 (view\$ or display\$)) same (basket or folder or mailbox) same(sort\$ or organiz\$ or arrang\$)	6

END OF SEARCH HISTORY

First Hit

Generate Collection

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L1: Entry 1 of 6

File: PGPB

Apr 10, 2003

PGPUB-DOCUMENT-NUMBER: 20030069900  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030069900 A1

TITLE: Adaptive indexing technique for use with electronic objects

PUBLICATION-DATE: April 10, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hind, John R.	Raleigh	NC	US	
Miyamoto, Hiroyuki	Lexington	MI	US	
Salahshour, Abdolreza	Raleigh	NC	US	

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	COUNTRY	TYPE	CODE
International Business Machines Corporation	Armonk	NY			02

APPL-NO: 09/ 973883 [PALM]

DATE FILED: October 10, 2001

INT-CL: [07] G06 F 7/00

US-CL-PUBLISHED: 707/200

US-CL-CURRENT: 707/200

REPRESENTATIVE-FIGURES: 2

## ABSTRACT:

Methods, systems, and computer program products for organizing and viewing electronic objects (such as incoming electronic mail messages, documents, and so forth) according to relationships among the objects. Objects may be organized according to user-selectable, node-specific criteria. These criteria may be dynamically learned, based upon a particular user's behavior, using the disclosed techniques.

## RELATED INVENTION

[0001] The present invention is related to commonly-assigned U.S. Pat. No. \_\_\_\_\_ (Ser. No. 09/\_\_\_\_), which is titled "Relational View of Electronic Objects" and which was filed concurrently herewith.

First Hit

Generate Collection

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L1: Entry 2 of 6

File: PGPB

Apr 10, 2003

PGPUB-DOCUMENT-NUMBER: 20030069892  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030069892 A1

TITLE: Relational view of electronic objects

PUBLICATION-DATE: April 10, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hind, John R.	Raleigh	NC	US	
Miyamoto, Hiroyuki	Lexington	MA	US	
Salahshour, Abdolreza	Raleigh	NC	US	

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	COUNTRY	TYPE	CODE
International Business Machines Corporation	Armonk	NY			03

APPL-NO: 09/ 973864 [PALM]  
DATE FILED: October 10, 2001

INT-CL: [07] G06 F 7/00

US-CL-PUBLISHED: 707/103.00X  
US-CL-CURRENT: 707/103X

REPRESENTATIVE-FIGURES: 2

## ABSTRACT:

Methods, systems, and computer program products for organizing and viewing electronic objects (such as incoming electronic mail messages, documents, and so forth) according to relationships among the objects. Objects may be organized according to user-selectable, node-specific criteria. These criteria may be dynamically learned, based upon a particular user's behavior, using the disclosed techniques.

## Related Invention

[0001] The present invention is related to commonly-assigned U.S. Pat. No. \_\_\_\_\_ (Ser. No. 09/\_\_\_\_\_), which is titled "Adaptive Indexing Technique for Use with Electronic Objects" and which was filed concurrently herewith.

First Hit☐ **Generate Collection** **Print**

L1: Entry 3 of 6

File: PGPB

Jun 13, 2002

PGPUB-DOCUMENT-NUMBER: 20020073156

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020073156 A1

TITLE: Method and system for mail folder displays

PUBLICATION-DATE: June 13, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Newman, Paula S.	Los Altos	CA	US	

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	COUNTRY	TYPE CODE
Xerox Corporation				02

APPL-NO: 09/ 732023 [PALM]

DATE FILED: December 8, 2000

INT-CL: [07] G06 F 15/16

US-CL-PUBLISHED: 709/206

US-CL-CURRENT: 709/206

REPRESENTATIVE-FIGURES: 2

## ABSTRACT:

A method and apparatus for displaying mail folders. Each display treatment can present messages in different categories at various levels of granularity and messages in a particular category can be presented in various ways on alternative displays. Additionally, categories can be nested and the nesting can be reflected in different ways on different displays.

[First Hit](#)   [Fwd Refs](#)**End of Result Set**☐ **Generate Collection** **Print**

L1: Entry 6 of 6

File: USPT

Mar 16, 1999

US-PAT-NO: 5884321

DOCUMENT-IDENTIFIER: US 5884321 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Document image and query management system for application databases

DATE-ISSUED: March 16, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Meffert; Gregory John	New Orleans	LA	70124	

APPL-NO: 08/ 948653   [PALM]

DATE FILED: October 10, 1997

## PARENT-CASE:

This is a continuation of application Ser. No. 08/408,710, filed Mar. 22, 1995, now abandoned.

INT-CL: [06] G06 F 17/30

US-CL-ISSUED: 707/104; 707/100

US-CL-CURRENT: 707/104.1; 707/100

FIELD-OF-SEARCH: 707/104, 707/100

PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

☐ **Search Selected** ☐ **Search ALL** 

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>4468732</u>	August 1984	Raver	364/200
<input type="checkbox"/>	<u>4817050</u>	March 1989	Komatsu	364/900
<input type="checkbox"/>	<u>4907188</u>	March 1990	Toshika	364/900
<input type="checkbox"/>	<u>4958283</u>	September 1990	Toshika	364/413.13
<input type="checkbox"/>	<u>5012405</u>	April 1991	Hitachi	364/200
<input type="checkbox"/>	<u>5050071</u>	September 1991	Harris	364/200
<input type="checkbox"/>	<u>5089956</u>	February 1992	IBM	395/600
	<u>5093911</u>	March 1992	IBM	395/600

<input type="checkbox"/>				
<input type="checkbox"/>	<u>5101345</u>	March 1992	IBM	395/800
<input type="checkbox"/>	<u>5179718</u>	January 1993	IBM	395/800
<input type="checkbox"/>	<u>5185857</u>	February 1993	Rozmanith	395/148
<input type="checkbox"/>	<u>5201048</u>	April 1993	Axxess	395/600
<input type="checkbox"/>	<u>5206951</u>	April 1993	Khoyi et al.	395/683
<input type="checkbox"/>	<u>5257369</u>	October 1993	Skeen et al.	395/650
<input type="checkbox"/>	<u>5280609</u>	January 1994	IBM	395/600
<input type="checkbox"/>	<u>5345586</u>	September 1994	Hamala et al.	395/650
<input type="checkbox"/>	<u>5404435</u>	April 1995	Rosenbaum	395/147
<input type="checkbox"/>	<u>5455945</u>	October 1995	Vanderdrift	395/600
<input type="checkbox"/>	<u>5581760</u>	December 1996	Atkinson	395/700

## OTHER PUBLICATIONS

System Administrator's Guide for ZYDECO Document and Information Management System.  
Administrator's Guide for ZYDECO Utilities.

ART-UNIT: 271

PRIMARY-EXAMINER: Black; Thomas G.

ASSISTANT-EXAMINER: Min; Donald

ATTY-AGENT-FIRM: Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P.

## ABSTRACT:

Users define virtual views to generate and execute queries across one or more existing application databases in order to implement new applications, including applications that require viewing images linked to existing database records. Mainframe, minicomputer or client-server computer system-based users link electronic documents stored in distributed or centralized image storage volumes on a PC-based system to existing database records, and retrieve those electronic documents when the linked database record is retrieved.

14 Claims, 9 Drawing figures

First Hit    Fwd Refs☐ **Generate Collection** **Print**

L2: Entry 5 of 7

File: USPT

Dec 26, 2000

US-PAT-NO: 6167402

DOCUMENT-IDENTIFIER: US 6167402 A

TITLE: High performance message store

DATE-ISSUED: December 26, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yeager; William J.	Menlo Park	CA		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Sun Microsystems, Inc.	Palo Alto	CA			02

APPL-NO: 09/ 067537    [PALM]

DATE FILED: April 27, 1998

## PARENT-CASE:

This application is related to U.S. patent application Ser. No. 09/067,497 filed on the same date herewith and commonly assigned, entitled "METHOD AND APPARATUS FOR HIGH PERFORMANCE ACCESS TO DATA IN A MESSAGE STORE," U.S. patent application Ser. No. 09/067,546 filed on the same date herewith and commonly assigned, entitled "METHOD AND APPARATUS FOR DETECTING INPUT DIRECTED TO A THREAD IN A MULTI-THREADED PROCESS," and U.S. application Ser. No. 09/067,567 filed on the same date herewith and commonly assigned, entitled "CRITICAL SIGNAL THREAD," which are incorporated herein by reference.

INT-CL: [07] G06 F 17/30

US-CL-ISSUED: 707/10; 709/206, 709/207, 358/402

US-CL-CURRENT: 707/10; 358/402, 709/206, 709/207

FIELD-OF-SEARCH: 707/10, 709/206, 709/207, 358/402

PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

**Search Selected** **Search ALL** **Clear**

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>5613108</u>	March 1997	Morikawa	707/200
<input type="checkbox"/>	<u>5644404</u>	July 1997	Hashimoto et al.	358/402

<input type="checkbox"/>	<u>5870549</u>	February 1999	Bobo, II	709/206
<input type="checkbox"/>	<u>5999932</u>	December 1999	Paul	707/10
<input type="checkbox"/>	<u>6029164</u>	February 2000	Birrell et al.	707/3
<input type="checkbox"/>	<u>6073137</u>	June 2000	Brown et al.	707/104

## OTHER PUBLICATIONS

Crispin, M., "Internet Message Access Protocol, " University of Washington, (1996), pp. 1-93.

ART-UNIT: 271

PRIMARY-EXAMINER: Black; Thomas G.

ASSISTANT-EXAMINER: Trinh; William

ATTY-AGENT-FIRM: Beyer Weaver & Thomas, LLP

## ABSTRACT:

A product and method are disclosed for creating an efficient message store and delivery system is provided. A message store having an index directory, index file, and data bucket area, all of which are page based, is described. Each page corresponds to a period of time, such as a day. Each data bucket contains message data and the actual content of the message. The index file contains index file cells which store index information characterizing an associated message. The index directory contains index directory cells which store information on the location of an associated index file cell, and is thereby associated with a message. It also includes page based user folders each having user cells which reference a message, associated with a user, in the user store. A message includes a reference pointer to an associated index file cell and a reference pointer to an associated index directory cell. An index directory pointer in the user cell, an index file pointer in the index directory cell, a message pointer in the index file cell, and two pointers in the message allow the message store to reconstruct itself if necessary.

38 Claims, 13 Drawing figures



First Hit    Fwd Refs☐ **Generate Collection** **Print**

L4: Entry 4 of 5

File: USPT

Nov 3, 1998

US-PAT-NO: 5832502

DOCUMENT-IDENTIFIER: US 5832502 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Conversation index builder

DATE-ISSUED: November 3, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Durham; Peter E.	Bellevue	WA		
Benson; Max L.	Redmond	WA		
Apacible; Miu Fung Ang	Redmond	WA		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Microsoft Corporation	Redmond	WA			02

APPL-NO: 08/ 674352    [PALM]

DATE FILED: July 2, 1996

INT-CL: [06] G06 F 17/30

US-CL-ISSUED: 707/104; 395/200.36

US-CL-CURRENT: 707/104.1; 709/206

FIELD-OF-SEARCH: 395/601, 395/611, 395/612, 395/613, 395/614, 395/615, 395/616, 395/77, 395/412, 395/200.01, 395/200.36, 382/115, 707/1, 707/100, 707/101, 707/102, 707/103, 707/104, 707/200

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

**Search Selected** **Search ALL** **Clear**

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>5218699</u>	June 1993	Brandle et al.	395/650
<input type="checkbox"/>	<u>5247676</u>	September 1993	Ozur et al.	395/650
<input type="checkbox"/>	<u>5283856</u>	February 1994	Gross et al.	395/51
<input type="checkbox"/>	<u>5333266</u>	July 1994	Boaz et al.	395/200.36

OTHER PUBLICATIONS

Shirley, John and Rosenberry, Ward, "Microsoft RPC Programming Guide", O'Reilly & Associates, 1995.  
Kramer, Matt, "Baranof's MailCheck 2.6 Delivers Improved Tools", PC Week, Sep. 11, 1995, Ziff-Davis Publishing Company 1995.  
Frenkel, Gary, "cc:Mail View Keeps an Eye on Your Messaging System", Network Computing, Jun. 1, 1995, CMP Publications, Inc., 1995.

ART-UNIT: 271

PRIMARY-EXAMINER: Black; Thomas G.

ASSISTANT-EXAMINER: Ho; Buay Lian

ATTY-AGENT-FIRM: Workman, Nydegger & Seeley

ABSTRACT:

A technique for generating a unique record index for a collection of data records. A parent index is generated and attached to a parent data record, and serves as the record index. When a child data record is generated, a child index is generated and is appended to its parent index, and the combination is the record index for that child data record. The record index allows a collection of data records to be sorted and displayed efficiently according to their logical position in a collection. The technique finds application in an electronic mail messaging system, wherein a conversation index is generated for each electronic message.

16 Claims, 7 Drawing figures